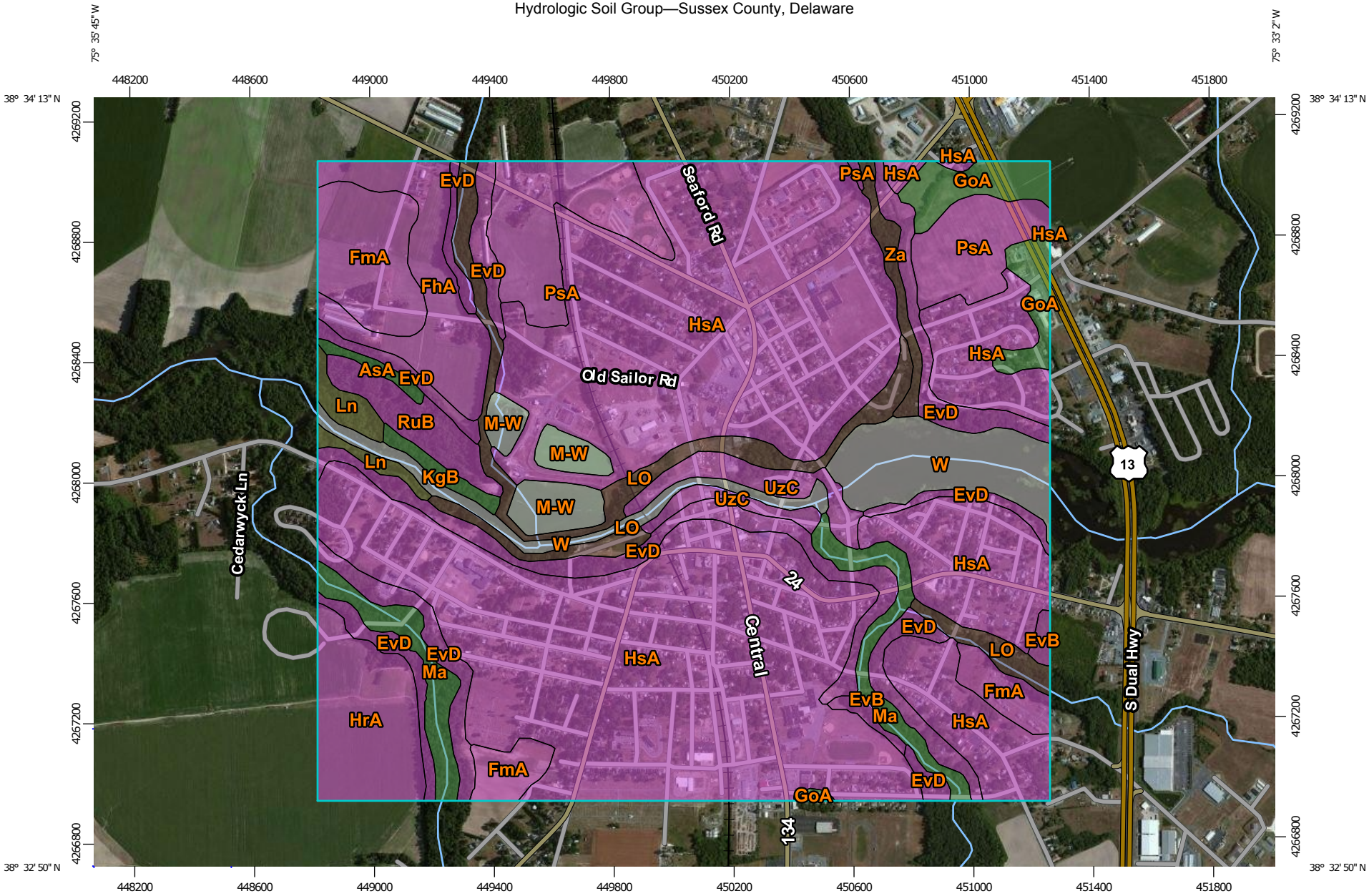
Hydrologic Soil Group—Sussex County, Delaware



Map Scale: 1:18,000 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 250 500 1000 1500

Feet: 0 500 1000 2000 3000

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Lines

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Points

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Water Features

Streams and Canals

Transportation

Rails
Interstate Highways
US Routes
Major Roads
Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Sussex County, Delaware
Survey Area Data: Version 13, Sep 25, 2014

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 17, 2010—Jul 4, 2010

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Sussex County, Delaware (DE005)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
AsA	Askecksy loamy sand, 0 to 2 percent slopes	A/D	3.6	0.3%
EvB	Evesboro loamy sand, 0 to 5 percent slopes	A	5.2	0.4%
EvD	Evesboro loamy sand, 5 to 15 percent slopes	A	109.2	8.5%
FhA	Fort Mott-Henlopen complex, 0 to 2 percent slopes	A	45.3	3.5%
FmA	Fort Mott loamy sand, 0 to 2 percent slopes	A	58.0	4.5%
GoA	Glassboro sandy loam, 0 to 2 percent slopes	A/D	28.9	2.2%
HrA	Henlopen-Rosedale complex, 0 to 2 percent slopes	A	45.7	3.5%
HsA	Henlopen-Rosedale-Urban land complex, 0 to 2 percent slopes	A	677.3	52.5%
KgB	Klej-Galloway complex, 0 to 5 percent slopes	A/D	5.5	0.4%
Ln	Lenape-Nanticoke complex, very frequently flooded, tidal	C/D	11.1	0.9%
LO	Longmarsh and Indiantown soils, frequently flooded	B/D	50.3	3.9%
M-W	Miscellaneous water		23.9	1.9%
Ma	Manahawkin muck, frequently flooded	A/D	37.4	2.9%
PsA	Pepperbox-Rosedale complex, 0 to 2 percent slopes	A	74.6	5.8%
RuB	Runclint loamy sand, 2 to 5 percent slopes	A	19.3	1.5%
UzC	Udorthents, 0 to 10 percent slopes	A	23.6	1.8%
W	Water		60.9	4.7%
Za	Zekiah sandy loam, frequently flooded	B/D	9.5	0.7%
Totals for Area of Interest			**1,289.2**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

Rating Options

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher